SEQUENCE LISTING

```
<110>  Long, David M.
       Smidansky, Eric D.
       Strobel, Gary A.

<120>  Taxol Production via Generation of Extrachromosomal
       DNAs in the Fungus Pestalotiopsis

<130>  57309-5002-US

<140>  US 10/018,691
<141>  2001-12-20

<150>  US 60/091,667
<151>  1998-07-02

<150>  PCT/US99/15135
<151>  1999-07-02

<160>  12

<170>  PatentIn Ver. 2.1

<210>  1
<211>  22
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:PCR primer

<400>  1
ttacccgcag gacatatcca cg                                          22


<210>  2
<211>  22
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:PCR primer

<400>  2
atagctgcgc cgatggtttc ta                                          22


<210>  3
<211>  54
<212>  DNA
<213>  Pestalotiopsis microspora

<220>
<221>  repeat_unit
<222>  (49)..(54)
<223>  This unit is present one or more times.
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<400> 3
taaagcaggg aagtatgcgc ttagggttag gtttttaggg ttagcttagg gtta   54

<210> 4
<211> 41
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (36)..(41)
<223> This unit is present one or more times.

<400> 4
acccgtatcg tgagcatcct agcttagggt tattagggtt a   41

<210> 5
<211> 39
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (34)..(39)
<223> This unit is present one or more times.

<400> 5
tgcatggagc cgggccacct tagggttagc ttagggtta   39

<210> 6
<211> 26
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(26)
<223> This unit is present one or more times.

<400> 6
gtgccgggga tcctaggtta gggtta   26

<210> 7
<211> 28
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(28)
<223> This unit is present one or more times.

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<400> 7
tggagccggt gagcgtgggt tagggtta                                          28


<210> 8
<211> 50
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (45)..(50)
<223> This unit is present one or more times.

<400> 8
tcgatggggg agtatggggg ttagcttagg gttaggttag cttagggtta                  50


<210> 9
<211> 40
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (35)..(40)
<223> This unit is present one or more times.

<400> 9
ggggagtatg ggggagtacc ttagggttag cttagggtta                             40


<210> 10
<211> 31
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (26)..(31)
<223> This unit is present one or more times.

<400> 10
gcgacggacg cactgacggt taggggggtt a                                       31


<210> 11
<211> 15
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (1)..(6)
<223> This unit is present one or more times (sequence
      is at telomeric repeat junction near 5' end of
      extrachromasomal DNA).
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<400> 11
ccctaaccca cgcta   15

<210> 12
<211> 27
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (22)..(27)
<223> This unit is present one or more times (sequence
      is at telomeric repeat junction near 3' end of
      extrachromasomal DNA).

<400> 12
ccgggccacc ttagggttag cttaggg   27